

Application No. 10/765,056

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An electro-optical device, comprising:
 - a substrate having an image display region and a peripheral region surrounding the image display region;
 - a data line;
 - a scanning line extending in a direction crossing the data line;
 - a first switching element disposed in the image display region, the first switching element being applied with a scanning signal by the scanning line, the first switching element including a semiconductor layer having a source, a drain, and a channel;
 - a pixel electrode formed within the image display region, the pixel electrode being applied with an image signal, by the data line, via the first switching element;
 - a first light shielding film formed in the image display region between the substrate and the first switching element, the first light shielding layer being in complete overlap with the source, the drain, and the channel of the first switching element in plan view;
 - a second switching element to determine whether the image signal will be applied to the data line, the second switching element being located in the peripheral region, the second switching element including a semiconductor layer having a source region, a drain region, a channel region, and a gate electrode, the channel region being located between the source region and the drain region;
 - an interlayer insulating film; and
 - a second light shielding film formed in the peripheral region on an opposite side of the interlayer insulating film from the second switching element with the interlayer insulating film therebetween, the second light shielding film overlapping the source region,

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the drain region, and a portion of the channel region of the second switching element in plan view, the second light shielding film being divided into separate sections with the channel region of the second switching element as a boundary between the separate sections, the edges of the separate sections of the second light shielding film and the gate electrode overlapping with the each other in plan view by a distance of about 0.5 μm .

2. (Currently Amended) An electro-optical device, comprising:

a substrate having an image display region and a peripheral region surrounding the image display region;

a data line;

a scanning line extending in a direction crossing the data line;

a first switching element disposed in the image display region, the first switching element being applied with a scanning signal by the scanning line, the first switching element including a semiconductor layer having a source, a drain, and a channel;

a pixel electrode formed within the image display region, the pixel electrode being applied with an image signal, by the data line, via the first switching element;

a first light shielding film formed in the image display region between the substrate and the first switching element, the first light shielding layer being in complete overlap with the source, the drain, and the channel of the first switching element in plan view;

a second switching element for determining whether the scanning signal will be applied to the scanning line, the second switching element being located in the peripheral region, the second switching element including a semiconductor layer having a source region, a drain region, a channel region, and a gate electrode, the channel region being located between the source region and the drain region;

an interlayer insulating film; and

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a second light shielding film formed in the peripheral region on an opposite side of the interlayer insulating film from the second switching element with the interlayer insulating film therebetween, the second light shielding film overlapping the source region, the drain region, and a portion of the channel region of the second switching element in plan view, the second light shielding film being divided into separate sections with the channel region of the second switching element as a boundary between the separate sections, the edges of the separate sections of the second light shielding film and the gate electrode overlapping with the each other in plan view by a distance of about 0.5 μm .

3. (Cancelled)

4. (Currently Amended) The electro-optical device according to ~~Claim 3~~, Claim 1,

the gate electrode film being formed in a portion corresponding to the channel region.

5. (Cancelled)

6. (Original) The electro-optical device according to Claim 1,
the second switching element being formed at the same time as the forming of the first switching element of the electro-optical device.

7. (Canceled)

8. (Previously Presented) The electro-optical device according to Claim 1,
the second light shielding film being made of light shielding material.

9. (Previously Presented) The electro-optical device according to Claim 1,
further comprising:

the first light shielding film being formed to correspond to the data line and the scanning line in the image display region, and

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the second light shielding film being formed at the same time as the first light shielding film.

10. (Currently Amended) The electro-optical device according to Claim 1, the distance between the second light shielding film and the second switching element being 3000 ~~nm~~ nm or less.

11. (Original) An electronic apparatus, comprising:
the electro-optical device according to Claim 1.